



## TRANSMITTAL FORM

"PATENT"

Application of: Jo Ann Marie Canich  
Serial No: 676,690  
Filed: 03/28/91  
For: OLEFIN POLYMERIZATION  
CATALYSTS

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BEFORE THE EXAMINER  
( ) GROUP David Wu  
( ) Group Art Unit  
( ) 116  
( )  
( ) February 12, 1991  
( ) Baytown, Texas

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CORRESPONDENCE

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

- [ X ] "Express Mail" mailing label number RB624937467US. Date of Deposit February 12, 1992. The undersigned hereby certifies that this paper or fee will be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

John Alfred  
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Transmitted herewith is a response in the above-identified application.

[ X ] Fee for Information Disclosure is \$ 0.

[ ] Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made to the extent required. The fee for this extension of time is calculated to be \$ \_\_\_\_\_ to extend the time for filing this response until \_\_\_\_\_.

[ X ] The total fee for this response and any extension of time is calculated to be \$ 0.

[ ] A check in the amount of \$ \_\_\_\_\_ is attached.

[ ] Charge \$ \_\_\_\_\_ to Deposit Account No. 05-1710.

[ X ] The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1710. A duplicate copy of this Form is enclosed.

February 12, 1992  
Date of Signature

[Signature]  
Attorney or Agent

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE 48

RECEIVED "PATENT"

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In re application of	)	
Jo Ann Marie Canich	)	BEFORE THE EXAMINER
Serial No. 676,690	)	David Wu
Filed 03/28/91	)	Group Art Unit No. 116
For: OLEFIN POLYMERIZATION	)	Baytown, Texas
CATALYSTS	)	February 12, 1992

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

DISCLOSURE STATEMENT UNDER 35 USC 1.99  
OR ALTERNATIVELY UNDER 37 CFR 1.501

Sir:

The Issue Fee for the above-cited application has not been presented. European Patent Application 0 416 815 A2 (copy enclosed) assigned to Dow Chemical Company and published March 13, 1991. The European Patent Application claims priority back to the following U.S. cases: 401,345, filed August 31, 1989; U.S. 401,344, filed August 31, 1989; U.S. 428,082, filed October 17, 1989; U.S. 428,283, filed October 27, 1989; 428,276, filed October 27, 1989; U.S. 436,524, filed November 14, 1989; and U.S. 545,403, filed July 3, 1990. The European Application, if it constituted prior art against the above-identified application, would contain disclosure and claims which may be considered relevant to the patentability of the claims contained in USSN 676,690

European Patent Application 0 416 815 A2 describes metal coordination complexes comprising a metal of Group 3 (except Sc), 4-10 or the lanthanide series and a delocalized  $\pi$ -bonded moiety have said moiety substituted with a constrain-inducing moiety which reduces the angle at the metal between the centroid of said  $\pi$ -bonded moiety and at least one remaining substituted. Preferably, the complexes comprise a cyclopentadienyl or substituted cyclopentadienyl group forming

part of a ring structure in which the metal is both bonded to an adjacent covalent moiety and held in association with the (substituted) cyclopentadienyl moiety. Complexes of said preferred structure are not necessarily constrained sufficiently to reduce said angle. Amidosilane and amidoalkanediyl compounds are particularly preferred.

Respectfully submitted,



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CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service as "Express Mail" in an envelope with sufficient postage affixed and addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231, on February 12, 1992.



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